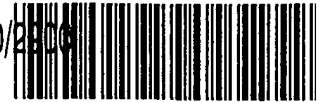


NOV 06 2003

TECH CENTER 1600/2800



16

RAW SEQUENCE LISTING

DATE: 10/30/2003

PATENT APPLICATION: US/09/882,781B

TIME: 15:10:50

Input Set : A:\HER0050.ST25.txt

Output Set: N:\CRF4\10302003\I882781B.raw

3 <110> APPLICANT: Kuhner, Carol H.
4 Romesser, James A.
6 <120> TITLE OF INVENTION: CHEMICALLY-MODIFIED PEPTIDES, COMPOSITIONS, AND METHODS OF
7 PRODUCTION AND USE
9 <130> FILE REFERENCE: HER-0050
11 <140> CURRENT APPLICATION NUMBER: US 09/882,781B
12 <141> CURRENT FILING DATE: 2001-06-15
14 <150> PRIOR APPLICATION NUMBER: US 60/212,441
15 <151> PRIOR FILING DATE: 2000-06-16
17 <150> PRIOR APPLICATION NUMBER: PCT/US01/19400
18 <151> PRIOR FILING DATE: 2001-06-15
20 <160> NUMBER OF SEQ ID NOS: 32
22 <170> SOFTWARE: PatentIn version 3.2
24 <210> SEQ ID NO: 1
25 <211> LENGTH: 4
26 <212> TYPE: PRT
27 <213> ORGANISM: Artificial Sequence
29 <220> FEATURE:
30 <223> OTHER INFORMATION: Novel Sequence
32 <400> SEQUENCE: 1
34 Arg Trp Phe Arg
35 1
38 <210> SEQ ID NO: 2
39 <211> LENGTH: 4
40 <212> TYPE: PRT
41 <213> ORGANISM: Artificial Sequence
43 <220> FEATURE:
44 <223> OTHER INFORMATION: Novel Sequence
46 <400> SEQUENCE: 2
48 Arg Trp Arg Phe
49 1
52 <210> SEQ ID NO: 3
53 <211> LENGTH: 4
54 <212> TYPE: PRT
55 <213> ORGANISM: Artificial Sequence
57 <220> FEATURE:
58 <223> OTHER INFORMATION: Novel Sequence
60 <400> SEQUENCE: 3
62 Arg Trp Trp Arg
63 1
66 <210> SEQ ID NO: 4
67 <211> LENGTH: 4
68 <212> TYPE: PRT

p.6

ENTERED

RAW SEQUENCE LISTING

DATE: 10/30/2003

PATENT APPLICATION: US/09/882,781B

TIME: 15:10:50

Input Set : A:\HER0050.ST25.txt

Output Set: N:\CRF4\10302003\I882781B.raw

69 <213> ORGANISM: Artificial Sequence
71 <220> FEATURE:
72 <223> OTHER INFORMATION: Novel Sequence
74 <400> SEQUENCE: 4
76 Arg Arg Trp Phe
77 1
80 <210> SEQ ID NO: 5
81 <211> LENGTH: 4
82 <212> TYPE: PRT
83 <213> ORGANISM: Artificial Sequence
85 <220> FEATURE:
86 <223> OTHER INFORMATION: Novel Sequence
88 <400> SEQUENCE: 5
90 Arg Trp Arg Trp
91 1
94 <210> SEQ ID NO: 6
95 <211> LENGTH: 4
96 <212> TYPE: PRT
97 <213> ORGANISM: Artificial Sequence
99 <220> FEATURE:
100 <223> OTHER INFORMATION: Novel Sequence
102 <400> SEQUENCE: 6
104 Arg Phe Arg Trp
105 1
108 <210> SEQ ID NO: 7
109 <211> LENGTH: 4
110 <212> TYPE: PRT
111 <213> ORGANISM: Artificial Sequence
113 <220> FEATURE:
114 <223> OTHER INFORMATION: Novel Sequence
116 <400> SEQUENCE: 7
118 Arg Arg Phe Trp
119 1
122 <210> SEQ ID NO: 8
123 <211> LENGTH: 4
124 <212> TYPE: PRT
125 <213> ORGANISM: Artificial Sequence
127 <220> FEATURE:
128 <223> OTHER INFORMATION: Novel Sequence
130 <400> SEQUENCE: 8
132 Arg Trp Ala Arg
133 1
136 <210> SEQ ID NO: 9
~~137 <211> LENGTH: 4~~
138 <212> TYPE: PRT
139 <213> ORGANISM: Artificial Sequence
141 <220> FEATURE:
142 <223> OTHER INFORMATION: Novel Sequence
144 <400> SEQUENCE: 9

RAW SEQUENCE LISTING

DATE: 10/30/2003

PATENT APPLICATION: US/09/882,781B

TIME: 15:10:50

Input Set : A:\HER0050.ST25.txt

Output Set: N:\CRF4\10302003\I882781B.raw

146 Arg Trp Tyr Arg
147 1
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152 <212> TYPE: PRT
153 <213> ORGANISM: Artificial Sequence
155 <220> FEATURE:
156 <223> OTHER INFORMATION: Novel Sequence
158 <400> SEQUENCE: 10
160 Arg Trp Ile Arg
161 1
164 <210> SEQ ID NO: 11
165 <211> LENGTH: 4
166 <212> TYPE: PRT
167 <213> ORGANISM: Artificial Sequence
169 <220> FEATURE:
170 <223> OTHER INFORMATION: Novel Sequence
172 <400> SEQUENCE: 11
174 Arg Trp Leu Arg
175 1
178 <210> SEQ ID NO: 12
179 <211> LENGTH: 4
180 <212> TYPE: PRT
181 <213> ORGANISM: Artificial Sequence
183 <220> FEATURE:
184 <223> OTHER INFORMATION: Novel Sequence
186 <400> SEQUENCE: 12
188 Arg Trp Pro Arg
189 1
192 <210> SEQ ID NO: 13
193 <211> LENGTH: 4
194 <212> TYPE: PRT
195 <213> ORGANISM: Artificial Sequence
197 <220> FEATURE:
198 <223> OTHER INFORMATION: Novel Sequence
200 <400> SEQUENCE: 13
202 Arg Trp Val Arg
203 1
206 <210> SEQ ID NO: 14
207 <211> LENGTH: 4
208 <212> TYPE: PRT
209 <213> ORGANISM: Artificial Sequence
211 <220> FEATURE:
212 <223> OTHER INFORMATION: Novel Sequence
214 <400> SEQUENCE: 14
216 Arg Trp Cys Arg
217 1
220 <210> SEQ ID NO: 15
221 <211> LENGTH: 4

RAW SEQUENCE LISTING

DATE: 10/30/2003

PATENT APPLICATION: US/09/882,781B

TIME: 15:10:50

Input Set : A:\HER0050.ST25.txt

Output Set: N:\CRF4\10302003\I882781B.raw

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223 <213> ORGANISM: Artificial Sequence
225 <220> FEATURE:
226 <223> OTHER INFORMATION: Novel Sequence
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231 1
234 <210> SEQ ID NO: 16
235 <211> LENGTH: 4
236 <212> TYPE: PRT
237 <213> ORGANISM: Artificial Sequence
239 <220> FEATURE:
240 <223> OTHER INFORMATION: Novel Sequence
242 <400> SEQUENCE: 16
244 Arg Trp Ser Arg
245 1
248 <210> SEQ ID NO: 17
249 <211> LENGTH: 4
250 <212> TYPE: PRT
251 <213> ORGANISM: Artificial Sequence
253 <220> FEATURE:
254 <223> OTHER INFORMATION: Novel Sequence
256 <400> SEQUENCE: 17
258 Arg Trp Thr Arg
259 1
262 <210> SEQ ID NO: 18
263 <211> LENGTH: 4
264 <212> TYPE: PRT
265 <213> ORGANISM: Artificial Sequence
267 <220> FEATURE:
268 <223> OTHER INFORMATION: Novel Sequence
270 <400> SEQUENCE: 18
272 Arg Trp Asn Arg
273 1
276 <210> SEQ ID NO: 19
277 <211> LENGTH: 4
278 <212> TYPE: PRT
279 <213> ORGANISM: Artificial Sequence
281 <220> FEATURE:
282 <223> OTHER INFORMATION: Novel Sequence
284 <400> SEQUENCE: 19
286 Arg Trp Gln Arg
287 1
290 <210> SEQ ID NO: 20
291 <211> LENGTH: 4
292 <212> TYPE: PRT
293 <213> ORGANISM: Artificial Sequence
295 <220> FEATURE:
296 <223> OTHER INFORMATION: Novel Sequence

RAW SEQUENCE LISTING

DATE: 10/30/2003

PATENT APPLICATION: US/09/882,781B

TIME: 15:10:50

Input Set : A:\HER0050.ST25.txt

Output Set: N:\CRF4\10302003\I882781B.raw

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299 <220> FEATURE:
300 <221> NAME/KEY: misc_feature
301 <222> LOCATION: (3)..(3)
302 <223> OTHER INFORMATION: Xaa is a naphthylalanine
304 <400> SEQUENCE: 20
> 306 Arg Trp Xaa Arg
307 1
310 <210> SEQ ID NO: 21
311 <211> LENGTH: 4
312 <212> TYPE: PRT
313 <213> ORGANISM: Artificial Sequence
315 <220> FEATURE:
316 <223> OTHER INFORMATION: Novel Sequence
318 <400> SEQUENCE: 21
320 Arg Trp His Arg
321 1
324 <210> SEQ ID NO: 22
325 <211> LENGTH: 4
326 <212> TYPE: PRT
327 <213> ORGANISM: Artificial Sequence
329 <220> FEATURE:
330 <223> OTHER INFORMATION: Novel Sequence
332 <400> SEQUENCE: 22
334 Arg Trp Lys Arg
335 1
338 <210> SEQ ID NO: 23
339 <211> LENGTH: 4
340 <212> TYPE: PRT
341 <213> ORGANISM: Artificial Sequence
343 <220> FEATURE:
344 <223> OTHER INFORMATION: Novel Sequence
346 <400> SEQUENCE: 23
348 Arg Trp Gly Arg
349 1
352 <210> SEQ ID NO: 24
353 <211> LENGTH: 6
354 <212> TYPE: PRT
355 <213> ORGANISM: Artificial Sequence
357 <220> FEATURE:
358 <223> OTHER INFORMATION: Novel Sequence
361 <220> FEATURE:
362 <221> NAME/KEY: misc_feature
363 <222> LOCATION: (6)..(6)
364 <223> OTHER INFORMATION: Xaa is any amino acid
366 <400> SEQUENCE: 24
> 368 Phe Arg Trp Trp His Xaa
369 1      5
372 <210> SEQ ID NO: 25
373 <211> LENGTH: 6

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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/882,781B

DATE: 10/30/2003
TIME: 15:10:51

Input Set : A:\HER0050.ST25.txt
Output Set: N:\CRF4\10302003\I882781B.raw

ase Note:

of n and/or Xaa have been detected in the Sequence Listing. Please review the
uence Listing to ensure that a corresponding explanation is presented in the <220>
<223> fields of each sequence which presents at least one n or Xaa.

#:20; Xaa Pos. 3
#:24; Xaa Pos. 6
#:25; Xaa Pos. 6
#:26; Xaa Pos. 6
#:27; Xaa Pos. 6
#:28; Xaa Pos. 6,7